

September 2002

**U.S. Department of Energy Small Business Innovation Research Program and Small Business Technology Transfer Program FY 2002 Phase I - Awards By Topic**

[http://sbir.er.doe.gov/sbir/Awards\\_Abstracts/sbirsttr/cycle20/phase1/P1\\_award.htm](http://sbir.er.doe.gov/sbir/Awards_Abstracts/sbirsttr/cycle20/phase1/P1_award.htm)

Down towards the middle of the list you will find:

**TOPIC: NOVEL APPROACHES TO THIN-FILM SOLAR CELLS - FABRICATION, PROCESSING, AND CHARACTERIZATION**

Foster-Miller, Inc.  
350 Second Avenue  
Thin Film CIGS Solar  
Waltham, MA 02451-1196

Novel High Temperature Polymer Substrate  
for Low Cost High Efficiency Cells

Helio Volt Corporation  
1101 S. Capital of Texas Highway  
Suite 100F  
Austin, TX 78746-6445

Modeling of Copper-Indium-Gallium  
Diselenide for Advanced Thin-Film  
Photovoltaic Devices

ITN Energy Systems, Inc.  
8130 Shaffer Parkway  
Littleton, CO 80127-4107

Non-Contact Temperature and Emissivity  
Sensor for Lower-Cost CIGS Photovoltaics  
Manufacturing

International Solar Electric  
Technology, Inc.  
8635 Aviation Boulevard  
Unit E  
Inglewood, CA 90301-2001

Non-Vacuum Techniques for Front and Back  
Contacts for CIGS Solar Cells

MicroCoating Technologies  
5315 Peachtree Industrial Boulevard  
Atlanta, GA 30341

Transparent Conducting Oxide Films with  
High Refractive Index

Structured Materials  
Industries, Inc.  
120 Centennial Avenue  
Piscataway, NJ 08854-3908

P-Type ZnO Films

United Solar Systems Corp.  
1100 West Maple Road  
Troy, MI 48084-5352

High Efficiency Amorphous and  
Microcrystalline Silicon Based Double-  
Junction Solar Cells Made with Very-High-  
Frequency Glow Discharge